# ASSIGNMENT ONE

CS1103 – DATA AND INFORMATION MANAGEMENT

*DUE BEFORE 11:59PM, SUNDAY 24 JANUARY, 2021 TO THE LMS*

Complete your answers for the following questions in a word processor and submit them to the lms in pdf format. Use draw.io to create any diagrams for your answers and insert the exported images into the document.

## CHAPTER ONE QUESTIONS

| PROJECT_CODE | PROJECT_MANAGER | MANAGER_PHONE | MANAGER_ADDRESS | PROJECT_BID_PRICE |
|---|---|---|---|---|
| 21-5Z | Holly B. Parker | 904-338-3416 | 3334 Lee Rd., Gainesville, FL 37123 | 16833460 |
| 25-2D | Jane D. Grant | 615-898-9909 | 218 Clark Blvd., Nashville, TN 36362 | 12500000 |
| 25-5A | George F. Dorts | 615-227-1245 | 124 River Dr., Franklin, TN 29185 | 32512420 |
| 25-9T | Holly B. Parker | 904-338-3416 | 3334 Lee Rd., Gainesville, FL 37123 | 21563234 |
| 27-4Q | George F. Dorts | 615-227-1245 | 124 River Dr., Franklin, TN 29185 | 10314545 |
| 29-2D | Holly B. Parker | 904-338-3416 | 3334 Lee Rd., Gainesville, FL 37123 | 25559999 |
| 31-7P | William K. Moor | 904-445-2719 | 216 Morton Rd., Stetson, FL 30155 | 56850000 |

1. How many records does the file contain? How many fields are there per record?
2. What problem would you encounter if you wished to produce a listing ordered by manager's last name? How could you alter the file structure to solve this problem?
3. Knowing that users would need reports for particular states, area codes or zip-codes (postal codes), how would you (re)structure the file?
4. Identify and discuss the serious data redundancy problems in the file structure.

## CHAPTER TWO QUESTIONS (FROM THE TEXT)

- Review Questions 2, 11, 12
- Problems 14, 16c, 16d